

BI-CO MATHEMATICS
COLLOQUIUM

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*“Catalan’s Numbers and Some
Representation Theoretic
Applications”*

Monday, September 16, 2013

Talk at 4:00 – Park 328
Tea at 3:30 – Park 355, Math Lounge

Abstract:

The sequence of Catalan numbers famously has dozens and dozens of combinatorial interpretations. In addition to discussing a few fun examples of these, we will explore Catalan's Triangle, a slightly lesser-known but related sequence.

In particular, we will see how these sequences play a part in enumerating fully commutative elements of some Coxeter groups, which are of particular interest to representation theorists..

BRYN MAWR COLLEGE